

## INFORMATION DISCLOSURE CITATION

Docket Number (Optional) **MATS:027A**SERIAL NO.: **10/635,720**

(Use several sheets if necessary)

APPLICANT(s) **KAWANO et al.**FILING DATE: **8/6/2003**

Group Art Unit

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF
	A	US-5,537,482	7/96	Janning	381	198	
	B	US-4,283,647	8/81	Herr, et al.	310	154	
	C	US-5,710,474	1/98	Mulgrave	310	254	
	D	US-3,993,972	11/76	Barbrook	335	220	
	E	US-4,349,757	9/82	Bhate	310	15	
	F	US-4,429,240	1/84	Kishi	310	45	
	G	US-4,700,093	10/87	Negishi	310	89	
	H	US-4,990,806	2/91	Kikuchi et al.	310	49 A	
	I	US-5,808,381	9/98	Aoyama et al.	310	12	
	J	US-6,060,810	5/00	Lee et al.	310	254	
	K	US-6,222,286	4/01	Watanabe et al.	310	49 R	

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINE R			DATE CONSIDERED  9/12/2005

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF
<i>[Signature]</i>	L	US-3,922,501	11/75	Yamamuro	179	115.5 R	
<i>[Signature]</i>	M	US-4,757,220	7/88	Pouillange	310	49 R	
<i>[Signature]</i>	N	US-5,440,183	8/95	Denne	310	12	
<i>[Signature]</i>	O	US-6,177,748 B1	1/01	Katcher	310	209	
<i>[Signature]</i>	P	US-6,191,517 B1	2/01	Radovsky	310	162	
<i>[Signature]</i>	Q	US-6,097,125	8/00	Park et al.	310	156	
<i>[Signature]</i>	R	US-5,357,587	10/94	Grodinsky et al.	381	199	
<i>[Signature]</i>	S	US-3,421,033	1/69	Hoffmeyer	310	172	
<i>[Signature]</i>	T	US-5,734,209	3/98	Hallidy	310	12	
<i>[Signature]</i>	U	US-6,251,514 B1	6/01	Lashmore et al.	428	328	
<i>[Signature]</i>	V	US-6,452,302 B1	9/02	Tajimi et al.	310	216	

## FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER			DATE CONSIDERED <i>[Signature]</i> 9/2/2005

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Docket Number (Optional) MATS:027A

SERIAL NO.: 10/635,720

APPLICANT(s) KAWANO et al.

FILING DATE: 8/6/2003

Group An Unit

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	W	JP 11-187639(A)	7/99	JAPAN			Abstract	
	X	JP 10-323003(A)	12/98	JAPAN			Abstract	
	Y	JP 3-325651(A)	10/91	JAPAN			Abstract	
	Z	JP 2-57277	4/90	JAPAN			Abstract	
	AA	JP 10-285898(A)	10/98	JAPAN			Abstract	
	BB	JP 6-303755(A)	10/94	JAPAN			Abstract	
	CC	WO 97/13261	4/97	PCT				
	DD	JP 10-512437(A)	11/98	JAPAN				X
	EE	JP 11-220846	8/99	JAPAN				X

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER			DATE CONSIDERED <i>John Jones</i> 9/2/2005

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PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete If Known**

Application Number	10/635,720
Filing Date	August 6, 2003
First Named Inventor	Shinichiro KAWANO et al.
Art Unit	2834
Examiner Name	Jones, Judson
Attorney Docket Number	MATS:027A

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
JJ	A	US- 5,751,075	05-12-1998	KWON et al.	310/12
		US-			
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**OFFICE OF PETITIONS****FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T*
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
JJ	B	JP 62296758 A	12-24-1987	SEIKO EPSON	Abstract only	

Examiner  
SignatureDate  
Considered

9/1/05

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PTC/58-088 (08-03)

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Substitute for form 1442/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete If Known</b>	
				Application Number	Shinichiro KAWANO et
				Filing Date	August 6, 2003
				First Named Inventor	Shinichiro KAWANO et al.
				Art Unit	2834
				Examiner Name	Jones, Judson
				Attorney Docket Number	MATS:027A
Sheet	2	of	2		

[illegible]

Examiner Signature		Date Considered	9/2/2005
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